

NWS Form E-5

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(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)

San Juan, Puerto Rico

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

YEAR

May

2016

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE

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Odalys Martinez - FIC

DATE

06/15/2016

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).



An X inside this box indicates that no flooding occurred within this hydrologic service area.

Summary: A seasonable weather pattern prevailed during the month of May with showers and thunderstorms developing over and north of the Cordillera Central each day. Showers and thunderstorms embedded in the trades also affected the U.S. Virgin Islands as well as the south and east coastal areas of Puerto Rico. From time to time, shower and thunderstorm activity was enhanced by upper level troughs across the eastern Caribbean. Based on the Cooperative Observer Network Data (COOP), 70 % of the normal rainfall was observed across PR. Preliminarily, an average rainfall total of 6.98 inches was measured, which is 2.09 inches below normal.

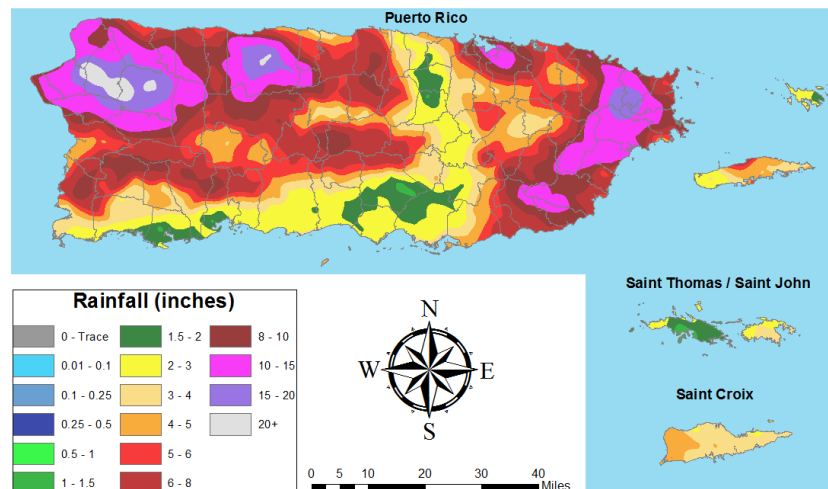
At the primary climatological data sites, a rainfall total of 3.21 and 1.21 inches was observed at Henry E. Rohlsen Airport in Saint Croix (TISX) and Cyril E King Airport in St Thomas (TIST) respectively. This is 0.94 and 1.85 inches below the normal rainfall.



May 2016 Estimated Rainfall National Weather Service WFO San Juan

Data Source: AHPS

Data is Preliminary



May 2016 rainfall totals based on AHPS data.

Please also see May's Climate Report:

(http://www.srh.noaa.gov/images/sju/climo/monthly_reports/2016/May/2016.pdf).

River and Drought Conditions: Based on the 28-day average streamflow from the USGS, the majority of streamflows are running between the 25th and the 90th percentile, which is in the normal to above normal range. Rains between January and April lead to major improvements in drought conditions, although long term deficit continues across the eastern half of the island. Enough rain has fallen during May in order to prevent deterioration, but not enough to justify additional improvement.

Water Supply: Lake levels at water supply reservoirs continue at optimum levels.

Flood Conditions: Flash flooding was reported mainly across Eastern Puerto Rico this month. Soils were already saturated due to rains during late April, and therefore heavy rains across Eastern Puerto Rico lead to minor flooding. The approximate amounts of Hydrologic Products issued during the month of May are as follows:

Non-Routine Hydrologic Products Issued:	Approximate number of Products for the month
Hydrologic Outlooks (SJUESFSJU)	0
Flood Watches (SJUFFASJU)	0
Flood Warnings (SJUFLWSJU)	0
Flash Flood Warnings (SJUFFWSJU)	1
Flash Flood Statements (SJUFFSSJU)	1
Urban/Small Stream Flood Advisories (SJUFLSSJU)	69

General Hydrology Information: All the models indicate a fading El Niño, with >50% chance of La Niña conditions by June-July and August increasing to 75% for September-October and November. La Niña increases chances of wetter than usual conditions in much of the region; therefore there is a higher chance of normal to above normal rainfall.